

3. The system for transferring heat energy as recited in claim 1, wherein the plurality of distinct locations includes

a first location disposed upstream of the first fuel-oil heat exchanger, and

a second location disposed intermediate the first and second fuel-oil heat exchangers.

4. The system for transferring heat energy as recited in claim 2, wherein the apportioning means comprises a diverter valve for actively directing the bypass fuel stream among the plurality of distinct locations.

5. The system for transferring heat energy as recited in claim 2, wherein the plurality of distinct locations includes

a first location disposed upstream of the first fuel-oil heat exchanger, and

a second location disposed intermediate the second fuel-oil heat exchanger and the main fuel pump.

6. The system for transferring heat energy as recited in claim 5, wherein the apportioning means includes a flow restrictor disposed in the returning means intermediate the first and second locations.

7. The system for transferring heat energy as recited in claim 6, wherein the flow restrictor disposed in the returning means intermediate the first and second locations further provides a different coefficient of fluid flow dependent upon the direction of fuel flowing there-through.

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